



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D3552-7**  
**Job Sheet 182331**



Part No: D3552-7

Job Qty: 6 ea

Part Name: Door Prop



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/23/18

Job Tracking No:

Due Date: 9/5/18

Created By: Chantal Lavoie

Type: Stock

Description:

**Note:** DWG D3552 Rev M L IPP New Issue 06-11-13 EC IPP Rev:B 09-04-20 rev.d as per dwg DD verified by:EC IPP  
Rev:C as per dwg RevE DD 10.02.17 verified by:EC IPP Rev:D 10.12.03 as per dwg rev.G DD ver:EC/ IPP  
Rev E 18.04.05 Rev M DP Verify DD

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation  | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |            |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 100   | Purchasing | 6 pcs |            | 9/5/18   | 0.00      | 0.00    | Purchasing            |           | SEP 04 2018 |
| 110   | Packaging  | 6 pcs |            | 9/5/18   | 0.00      | 0.00    | Packaging2            |           | SEP 04 2018 |
| 120   | QC         | 6 pcs |            | 9/5/18   | 0.00      | 0.00    | QC6                   |           | 38          |
| 130   | Packaging  | 6 pcs |            | 9/5/18   | 0.00      | 0.00    | Packaging3-1          | 5736Z     | SEP 14 2018 |
| 140   | QC21-SA    | 6 Ea  |            | 9/5/18   | 0.00      | 0.00    | QC21                  |           | SEP 14 2018 |

Part Op 100 - Issue P/O: 040833 Purchase Part Number: B8-220-530-070N Supplier: LS Technologies Certificate of Descriptions: conformity is required

110 - Receive &amp; Inspect for Damage &amp; Mat'l Certs

120 - Test for correct pressure

130 - Identify as per dwg &amp; Stock Location:

140 - QC21- Final Inspection - Work Order Release

AUG 23 2018

### Job BOM

| Part / Item     | Component Name                  | Quantity     | Operation      | Container |
|-----------------|---------------------------------|--------------|----------------|-----------|
| B8-220-530-070N | Carbon Steel Gas Spring D3552-7 | 6 pcs (1 ea) | 100-Purchasing | 5107871   |

### Job Allocations

| Operation      | Component Part  | Required | Inventory | Allocated |
|----------------|-----------------|----------|-----------|-----------|
| 100-Purchasing | B8-220-530-070N | 6        | 0         | 0         |

### Part Specifications



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

ould not be found.

Container No: S107872



Part: D3552-7

Job No: 182331

Serial No/Batch: S107872

Revision: M

Inspector:

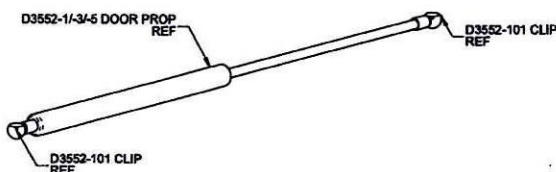
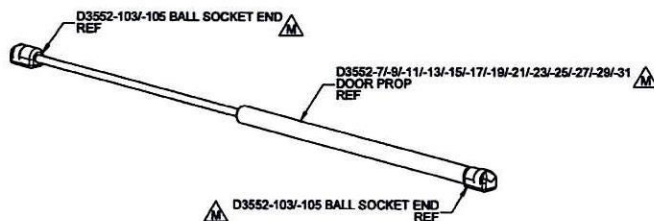
Exp Date:

Instructions: Various STC's

Date: 09/04/18

Plex 8/23/18 7:03 AM dart.lavoie.chantal

# **SPECIFICATION CONTROL DRAWING**



RELEASED

2018 APR 02  
REV 18-015

|            |                                                                                                                                                                                                         |     |          |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| M          | ADD PIN D3552-31, REF CIR18-114, UPDATED PIN D3552-101/105, ADDED PIN D3552-105, REVISED NOTE 3, ADDED NOTE 4                                                                                           | WK  | 18.03.20 |
| L          | ADD PIN D3552-29                                                                                                                                                                                        | VS  | 15.04.13 |
| K          | ADD "R" TO L8 TECHNOLOGIES PARTS TO DESIGNATE "EXTRA DAMPING" FOR D3552-15/17/19/21/23/25/27. REASON: PART 12-209.                                                                                      | MB  | 12.07.18 |
| J          | ADD PIN D3552-24-27, REMOVE ALTERNATE PART NUMBER FOR -15, -17 AND -19. STROKE FOR -15, -17 AND -19 WAS 1398.06 NOW 1546.06, EXTENDED LENGTH FOR -15, -17 AND -19 WAS 388/15.2 NOW 387/15.2.            | AP  | 11.12.07 |
| I          | ADD PIN D3552-23                                                                                                                                                                                        | RF  | 11.10.11 |
| H          | ADD PIN D3552-21                                                                                                                                                                                        | DC  | 11.03.10 |
| G          | FOR -15, FORCE 30067.4 WAS 400/88.9, SUPPLIER PIN D3-15/387-150N WAS 85-15/387-400N; FOR -17, STROKE 1398.47 WAS 1828.26, EXT LG 388/15.2 WAS 407/18.0, SUPPLIER PIN 85-15/387-150N WAS 85-167-408-150N | JPH | 10.11.01 |
| F          | ADD PIN D3552-15/17/19 AND ALTERNATE SUPPLIER                                                                                                                                                           | JPH | 10.07.27 |
| E          | ADD PIN D3552-13 ZN B8-1, A8-1, D8-1, CHANGE NAME FROM "GAS SPRING" TO "DOOR PROP" THROUGH OUT DWG                                                                                                      | HS  | 10.02.03 |
| D          | ADD PIN D3552-101 ZN D6-1, C7-1, C1-1 AND D3552-103 ZN D1-1 AND C2-1 AND ZN B8-1; ADD NOTE REGARDING D3552-101 AND D3552-103 COMPATIBILITY ZN A8-1                                                      | HS  | 09.04.02 |
| C          | ADD D3552-11 AND CONVERSIONS FOR INSPECTION; UPDATE PIN FOR D3552-7                                                                                                                                     | LE  | 07.08.01 |
| B          | ADD D3552-7/9; UPDATE DESC. D3552-1/3/5                                                                                                                                                                 | LE  | 06.10.24 |
| A          | NEW ISSUE                                                                                                                                                                                               | LE  | 06.09.15 |
| REV.       | DESCRIPTION                                                                                                                                                                                             | BY  | DATE     |
| DESIGN     | VS                                                                                                                                                                                                      |     |          |
| DRAWN      | WK                                                                                                                                                                                                      |     |          |
| CHECKED    | RF                                                                                                                                                                                                      |     |          |
| MFG. APPR. | RA                                                                                                                                                                                                      |     |          |
| APPROVED   | HS                                                                                                                                                                                                      |     |          |
| DE APPR.   | DS                                                                                                                                                                                                      |     |          |
| DATE       | 18.03.20                                                                                                                                                                                                |     |          |

**DART AEROSPACE LTD**  
HAWKESSBURY, ONTARIO, CANADA

DRAWING NO.  
**D3552**  
TITLE  
**DOOR PROP**  
REV. M  
SHEET 1 OF 2  
SCALE  
NTS

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| DART PART NUMBER | DESCRIPTION               | STROKE (mm/in) | EXTENDED LENGTH (mm/in) | FORCE (N/lb) | END FITTING            | MATERIAL     | SUPPLIER        | SUPPLIER PART NUMBER OR MODEL NUMBER |
|------------------|---------------------------|----------------|-------------------------|--------------|------------------------|--------------|-----------------|--------------------------------------|
| D3552-1          | DOOR PROP                 | 220/8.66       | 530/20.9                | 70/15.7      | 10mm SS BALL SOCKET    | CARBON STEEL | LS TECHNOLOGIES | C8-220-530-070N                      |
| D3552-3          | DOOR PROP                 | 200/7.87       | 490/19.3                | 200/45.0     | 10mm SS BALL SOCKET    | CARBON STEEL | LS TECHNOLOGIES | C8-200-490-200N                      |
| D3552-5          | DOOR PROP                 | 175/6.89       | 430/16.9                | 150/33.7     | 10mm SS BALL SOCKET    | CARBON STEEL | LS TECHNOLOGIES | C8-175-430-150N                      |
| D3552-7          | DOOR PROP                 | 220/8.66       | 530/20.9                | 70/15.7      | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-220-530-070N                      |
| D3552-9          | DOOR PROP                 | 200/7.87       | 490/19.3                | 200/45.0     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-200-490-200N                      |
| D3552-11         | DOOR PROP                 | 240/9.45       | 575/22.6                | 150/33.7     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-240-575-150N                      |
| D3552-13         | DOOR PROP                 | 220/8.66       | 530/20.9                | 140/31.5     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-220-530-140N                      |
| D3552-15         | DOOR PROP W/EXTRA DAMPING | 154/6.06       | 387/15.2                | 300/67.4     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-154-387-300NX                     |
| D3552-17         | DOOR PROP W/EXTRA DAMPING | 154/6.06       | 387/15.2                | 158/35.1     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-154-387-158NX                     |
| D3552-19         | DOOR PROP W/EXTRA DAMPING | 154/6.06       | 387/15.2                | 80/13.5      | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-154-387-080NX                     |
| D3552-21         | DOOR PROP                 | 167/6.57       | 410/16.1                | 70/15.7      | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B6-167-410-070N                      |
| D3552-23         | DOOR PROP                 | 190/7.48       | 475/18.7                | 70/15.7      | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B6-190-475-070N                      |
| D3552-25         | DOOR PROP W/EXTRA DAMPING | 148/5.83       | 475/18.7                | 300/67.4     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-148-475-300NX                     |
| D3552-27         | DOOR PROP W/EXTRA DAMPING | 148/5.83       | 475/18.7                | 158/35.1     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B8-148-475-158NX                     |
| D3552-29         | DOOR PROP                 | 190/7.48       | 475/18.7                | 100/22.5     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B6-190-475-100N                      |
| D3552-31         | DOOR PROP                 | 190/7.48       | 475/18.7                | 147/33.0     | 10mm NYLON BALL SOCKET | CARBON STEEL | LS TECHNOLOGIES | B6-190-475-147N                      |
| D3552-101        | CLIP                      | N/A            | N/A                     | N/A          | N/A                    | CARBON STEEL | LS TECHNOLOGIES | C9-8                                 |
| D3552-103        | BALL SOCKET END           | N/A            | N/A                     | N/A          | N/A                    | NYLON        | LS TECHNOLOGIES | B6                                   |
| D3552-105        | BALL SOCKET END           | N/A            | N/A                     | N/A          | N/A                    | NYLON        | LS TECHNOLOGIES | B8                                   |

#### D3552-X DOOR PROP

RELEASED

2018 APR 02

#### NOTES:

- 1) IDENTIFICATION: IDENTIFY PER QSI 044 8.2
- 2) D3552-101 CLIP IS ONLY COMPATIBLE WITH D3552-1/3/5 DOOR PROPS
- 3) D3552-103 BALL SOCKET END IS COMPATIBLE WITH D3552-13/21/23/29/31 DOOR PROPS
- 4) D3552-105 BALL SOCKET END IS COMPATIBLE WITH D3552-7/9/11/15/17/19/25/27 DOOR PROPS

|            |          |                             |              |
|------------|----------|-----------------------------|--------------|
| DESIGN     | VS       | <b>DART AEROSPACE LTD</b>   |              |
| DRAWN      | WK       | HAMKESBURY, ONTARIO, CANADA |              |
| CHECKED    | RF       | DRAWING NO.                 | REV. M       |
| MFG. APPR. | RA       | <b>D3552</b>                | SHEET 2 OF 2 |
| APPROVED   | HS       | TITLE                       | SCALE        |
| DE APPR.   | DE       | <b>DOOR PROP</b>            | NTS          |
| DATE       | 18.03.20 |                             |              |

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO040833

**Supplier:** LST001-VC  
LS Technologies Inc.  
1634 Saskatchewan Ave.  
Saskatoon  
SK  
S7K 1P6 Canada  
Phone: 306 683 5000  
Fax: 306 683 6403

**PO No:** PO040833  
**PO Date:** 8/23/18  
**Due Date:** 9/4/18  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Phone:

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

**E-MAILED**  
AUG 23 2018  
*Conf*

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

### Items

| Line Item | Job    | Part                | Supplier Part No | Item No | Description                                                             | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|---------------------|------------------|---------|-------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | 182332 | SSA4/8-122-310-360N |                  |         | Gas Spring<br>D3969-3<br>As Per Dwg<br>D3969 Rev.<br>D                  | Firmed | -       | 9/4/18   | 10 pcs         | 0 pcs             | 10 pcs  | \$51.85/pcs      | \$518.50       |
| 2         | 182331 | B8-220-530-070N     |                  |         | Carbon Steel<br>Gas Spring<br>D3552-7<br>As per Deg<br>D3552 Rev.<br>L. | Firmed | -       | 9/4/18   | 6 pcs          | 0 pcs             | 6 pcs   | \$29.48/pcs      | \$176.88       |

**Grand Total:** \$695.38

### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

# Packing Slip

LS TECHNOLOGIES INC  
1634 Saskatchewan Ave  
Saskatoon, SK S7K 1P6

| P.O. No. | Date      | Invoice # |
|----------|-----------|-----------|
| 040833   | 8/28/2018 | 18999     |

|                                                                   |
|-------------------------------------------------------------------|
| Bill to:                                                          |
| Dart Aerospace Ltd<br>1270 Aberdeen St.<br>Hawkesbury, ON K6A 1K7 |

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| Ship to:                                                                                          |
| Main Finished Goods Location<br>Dart Aerospace Ltd<br>1270 Aberdeen St.<br>Hawkesbury, ON K6A 1K7 |

| Ship | Via    |
|------|--------|
|      | Fed-Ex |

| Qty                                         | Description                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| ✓ 10                                        | D3969-3 #182332 Stainless Gas Spring ( SSA4/8-122-310-360N )<br>LABELLED WITH PERMANT INK MARKER ONLY - NO LABELS |
| ✓ 6                                         | D3552-7 #182331 Gas Spring                                                                                        |
| Shipping Via FED EX Tracking # 773084037277 |                                                                                                                   |

DAS  
61  
9-89

DAS  
38  
9-89

Order checked by :





LS Technologies Inc

1634 Saskatchewan Ave,  
Saskatoon, SK S7K 1P6  
Ph: (306) 683-5000 Fax: (306) 683-6403

### **Certificate of Compliance**

Aug 27, 2018

This is to certify that the parts listed below meets specifications as required by your order.

**10 Units: D3969-3 #182332 Stainless Gas Spring**

**6 Units: D3552-7 #182331 Gas Spring**

DAS  
**61**  
9-89

**Country of Manufacture: Canada**  
**Date of Manufacture : August 2018**  
**This product is ROHS compliant.**

**Purchase Order # 040833**  
**Invoice # 18999**

DAS  
**38**  
9-89

L S Technologies Inc Canada

Nolan Fehr  
President